Quatttor Status Report

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Quatttor Workshop, CERN
No survey before this workshop
- Decided for 1 every year

No notification of major changes
- 1 new site in France
- Quattor abandoned in Senegal (and Israel?)

~30 «teams» working with Quattor to manage their installation
- Central management of several grid sites (e.g. Ireland)
- Some large teams/installations: CERN, MS, GRIF, RAL

Quattor managing 40K to 50K machines
Survey Highlights...

- See previous workshop for details:
  - [http://indico.cern.ch/getFile.py/access?contribId=3&sessionId=2&resId=0&materialId=slides&confId=105169](http://indico.cern.ch/getFile.py/access?contribId=3&sessionId=2&resId=0&materialId=slides&confId=105169)

- Quattor used in 10 countries to manage sites from 50 to 25K machines:
  - 2/3 sites with less than 5 sysadmins involved with Quattor
  - Not always a Quattor expert on-site

- Most sites rely on SCDB + QWG templates:
  - Not necessarily for managing gLite services
  - A couple of sites considering Aquilon for the future
Some interest for a wider use of some QWG subsets
  › OS templates: no major issue
  › Monitoring: lacking a generic set of templates to configure Nagios servers and clients efficiently

Interest in using Quattor for managing virtual machines (in some way)

Documentation reasonable but improvements needed, in particular for helping new users
Scrum idea with a weekly meeting was pretty successful

- Good attendance in average (6-8, not always the same)
- A large number of actions completed
- Create the sense of a community

Main area of improvements: QWG templates, configuration modules, documentation

Probably need to rediscuss usefulness of monthly meeting
Some Metrics

- Commits into SF SVN (Quattor core) since last workshop
  - ~450 commits by 16 people
  - 2 big committers (only): Cal and Luis

- Commits into QWG SVN (QWG templates + SCDB) since last workshop
  - ~170 commits by 11 people
  - 1 big committer (Michel), hiding several contributors from GRIF

- QWG wiki updated at least once every week
  https://trac.lal.in2p3.fr/Quattor/timeline?from=03%2F15%2F11&daysback=99&authors=&wiki=on&update=Mise%20%CE%A0%20jour
New Toolkit Components

- QuattorFS added to SF SVN
- Aquilon on SF (Git)
- SINDES (almost) integrated into SF SVN as the main distribution channel
  - Remains possible to use SINDES outside Quattor
  - Better integration of SINDES configuration into Quattor (in particular AII) still in progress
- New MAVEN-based Quattor build tools
Main Difficulties

- Progress on configuration databases (SCDB, Aquilon)
- New generation of build tools
- Monitoring templates: still not having an agreed reference set to build upon
- StratusLab contribution integration
- Progress on documentation contents
- CERN (and CNAF?) having difficulties to benefit from/contribute to the community
Conclusions

- **Quattor community stable but more active**
  - Good participation to the scrum weekly stand up
  - Different profiles of sites involved in the development
  - Progress on many actions

- **Enlarging the community remains the principal challenge to ensure Quattor’s future**
  - Will require some dedicated actions to make progress

- **Good to be at CERN where Quattor was born**
  - Disappointing that CERN is not benefiting more from the community, hope the workshop will help